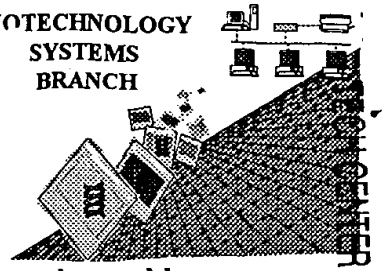
1614

BIOTECHNOLOGY SYSTEMS BRANCH



TECH CENTER 1600/2900

RECEIVED
MAR 0 1 2002

# CRF Problem Report

**The Scientific and Technical Information Center (STIC) experienced a problem when processing the following computer readable form (CRF):**

Application Serial Number: 09/943,075
Filing Date: 8/30/2001
Date Processed by STIC: 2/14/2002

STIC Contact: **Mark Spencer, 703-308-4212**

**Nature of Problem:**

The CRF (was):

__✓__ (circle one) Damaged or Unreadable (for Unreadable, see attached)
____ Blank (no files on CRF) (see attached)
____ Empty file (filename present, but no bytes in file) (see attached)
____ Virus-infected. Virus name: _____ The STIC will not process the CRF.
____ Not saved in ASCII text
____ Sequence Listing was embedded in the file. According to Sequence Rules, submitted file should **only** be the Sequence Listing.
____ Did not contain a Sequence Listing. (see attached sample)
____ Other:

_____

**PLEASE USE THE CHECKER VERSION 3.1 PROGRAM TO REDUCE ERRORS. SEE BELOW FOR ADDRESS:**
**http:/www.uspto.gov/web/offices/pac/checker**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service**: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

OIPE

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,075A

DATE: 06/17/2002
TIME: 15:51:47

Input Set : A:\EP.txt
Output Set: N:\CRF3\06172002\I943075A.raw

```
 4 <110> APPLICANT: Popoff, Steven N.
 5       Safado, Fayez F.
 6       Owen, Thomas A.
 7       Smock, Steven L.
 9 <120> TITLE OF INVENTION: Osteoactivin Protein and Nucleic Acids Encoding the Same,
10       Compositions and Methods of Stimulating Bone Differentiation
12 <130> FILE REFERENCE: 71369.262
14 <140> CURRENT APPLICATION NUMBER: US 09/943,075A
15 <141> CURRENT FILING DATE: 2001-08-30
17 <150> PRIOR APPLICATION NUMBER: US 60/229,006
18 <151> PRIOR FILING DATE: 2000-08-30
20 <160> NUMBER OF SEQ ID NOS: 8
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

ERRORED SEQUENCES

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490 <210> SEQ ID NO: 8
491 <211> LENGTH: 1683
492 <212> TYPE: DNA
493 <213> ORGANISM: Human
495 <400> SEQUENCE: 8
496 atggaaagtc tctactattt cctgggattt ctgctcctgg ctgcaagatt gccacttgat 60
497 gcccccaaac gatttcatga tgtgctgggc aatgaaagac cttctgctta catgagggag 120
498 cacaatcaat taaatggctg gtcttctgat gaaaatgact ggaatgaaaa actctaccca 180
499 gtgtggaagc ggggagacat gaggtggaaa aactcctgga agggaggccg tgtgcaggcg 240
500 gtcctgacca gtgactcacc agccctcgtg ggctcaaata taacatttgc ggtgaacctg 300
501 atattcccta gatgccaaaa ggaagatgcc aatggcaaca tagtctatga gaagaactgc 360
502 agaaatgagg ctggtttatc tgctgatcca tatgtttaca actggacagc atggtcagag 420
503 gacagtgacg gggaaaatgg caccggccaa agccatcata acgtcttccc tgatgggaaa 480
504 ccttttcctc accaccccgg atggagaaga tggaatttca tctacgtctt ccacacactt 540
505 ggtcagtatt tccagaaatt gggacgatgt tcagtgagag tttctgtgaa cacagccaat 600
506 gtgacacttg ggcctcaact catggaagtg actgtctaca gaagacatgg acgggcatat 660
507 gttcccatcg cacaagtgaa agatgtgtac gtggtaacag atcagattcc tgtgtttgtg 720
508 actatgttcc agaagaacga tcgaaattca tccgacgaaa ccttcctcaa agatctcccc 780
509 attatgtttg atgtcctgat tcatgatcct agccacttcc tcaattattc taccattaac 840
510 tacaagtgga gcttcgggga taatactggc ctgtttgttt ccaccaatca tactgtgaat 900
511 cacacgtatg tgctcaatgg aaccttcagc cttaacctca ctgtgaaagc tgcagcacca 960
512 ggaccttgtc cgccaccgcc accaccaccc agaccttcaa aacccacccc ttctttagga 1020
513 cctgctggtg acaacccccc ggagctgagt aggattcctg atgaaaactg ccagattaac 1080
514 agataaggct actttcaagc caccatcaca attgtagagg gaatcttaga ggttaacatc 1140
515 atccagatga cagacgtcct gatgccggtg ccatggcctg aaagctccct aatagacttt 1200
516 gtcgtgacct gccaagggag cattcccacg gaggtctgta ccatcatttc tgaccccacc 1260
```

RAW SEQUENCE LISTING DATE: 06/17/2002
PATENT APPLICATION: US/09/943,075A TIME: 15:51:47

Input Set : A:\EP.txt
Output Set: N:\CRF3\06172002\I943075A.raw

```
     517 tgcgagatca cccagaacac agtctgcagc cctgtggatg tggatgagat gtgtctgctg 1320
     518 actgtgagac gaaccttcaa tgggtctggg acgtactgtg tgaacctcac cctgggggat 1380
     519 gacacaagcc tggctctcac gagcaccctg atttctgttc ctgacagaga cccagcctcg 1440
     520 cctttaagga tggcaaacag tgccctgatc tccgttggct gcttggccat atttgtcact 1500
     521 gtgatctccc tcttggtgta caaaaaacac aaggaataca acccaataga aaatagtcct 1560
     522 gggaatgtgg tcagaagcaa aggcctgagt gtctttctca accgtgcaaa agccgtgttc 1620
     523 ttcccgggaa accaggaaaa ggatccgcta ctcaaaaacc aagaatttaa aggagtttct 1680
     524 taa                                                              1683
E--> 527 71369-262.st25
E--> 531 1
E--> 532 bOstOn 1436030v1
```

delete

VARIABLE LOCATION SUMMARY DATE: 06/17/2002
PATENT APPLICATION: US/09/943,075A TIME: 15:51:48

Input Set : A:\EP.txt
Output Set: N:\CRF3\06172002\I943075A.raw

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:8; N Pos. 1689

**VERIFICATION SUMMARY** DATE: 06/17/2002
PATENT APPLICATION: **US/09/943,075A** TIME: 15:51:48

Input Set : **A:\EP.txt**
Output Set: **N:\CRF3\06172002\I943075A.raw**

L:527 M:254 E: No. of Bases conflict, LENGTH:Input:25 Counted:1687 SEQ:8
L:527 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:10
L:527 M:112 C: (48) String data converted to lower case,
M:254 Repeated in SeqNo=8
L:532 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
L:532 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:9
M:112 Repeated in SeqNo=8
L:532 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1683 Found:1694 SEQ:8